Packet-Radio Digest   Wed, 9 Jun 93   Volume 93 : Issue 160

Today's Topics:
                        IP Addresses (2 msgs)
                            Mickey Mouse
                  MiniSport Laptop Hacker - Vol 4
                  MiniSport Laptop Hacker - Vol 5
                  MiniSport Laptop Hacker - Vol 6
                  MiniSport Laptop Hacker - Vol 6A
                      Packet HIGH SPEED HELP!
                PK-232 DCD open squelch mod wanted
                 Soundblaster as modem? (3 msgs)
                               test

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 8 Jun 93 17:53:47 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!ux1.cso.uiuc.edu!
uwm.edu!ogicse!psgrain!ee.und.ac.za!hippo.ru.ac.za!ucthpx!comgate.ee.uct.ac.za!
crawford@network.UCSD.EDU
Subject: IP Addresses
To: packet-radio@ucsd.edu

How does one apply for an amateur IP address (for a gateway)?

Thanks.

Brian Crawford KL7JDQ/ZS1   Phone: +27 21 650 3467/Fax: 3465   /-----_

Dept. Electrical Engineering Email: crawford@eleceng.uct.ac.za <__   >
Private Bag, Rondebosch 7700,   crawford@comgate.ee.uct.ac.za \   /
South Africa   `*-'

Date: 9 Jun 93 09:58:00 GMT
From: sdd.hp.com!swrinde!emory!ogicse!psgrain!ee.und.ac.za!hippo.ru.ac.za!ucthpx!
comgate.ee.uct.ac.za!not-for-mail@network.UCSD.EDU
Subject: IP Addresses
To: packet-radio@ucsd.edu

Where do I get a 44.* IP address from?

Thanks.

Brian Crawford KL7JDQ/ZS1   Phone: +27 21 650 3467/Fax: 3465   /-----_
University of Cape Town   Email: crawford@eleceng.uct.ac.za <__   >
Dept. Electrical Engineering   crawford@comgate.ee.uct.ac.za \   /
Rondebosch 7700, South Africa   `*-'

Date: Tue, 08 Jun 93 22:31:18 +1200
From: usc!wupost!waikato.ac.nz!aukuni.ac.nz!nacjack!codewks!carl@network.UCSD.EDU
Subject: Mickey Mouse
To: packet-radio@ucsd.edu

```
                                        MMM
                                   MMMMMMMMMMMM
                                 MMMMMMMMMMMMMMMMM
                 MMMMMM          MMMMMMMMMMMMMMMMMMM
              MMMMMMMMMMMMM       MMMMMMMMMMMMMMMMMMMM
            MMMMMMMMMMMMMMMM       MMMMMMMMMMMMMMMMMMMM
           MMMMMMMMMMMMMMMMMM      MMMMMMMMMMMMMMMMMMMM
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       MMMMMMMMMMMMMMMMMMMMMMM    MMMMMMMMMM MMMMMMMMMMMMMMMM
      MMMMMMMMMMMMMMMMMMMMMMMM MMMMMMMMM      MMMMMMMMMMMMMM
       MMMMMMMMMMMMMMMMMMMMMMMMMM MMMM   MMMM   MMMMMMMM
        MMMMMMMMMMMMMMMMMMMM  MMM MM M     M   MMMM
         MMMMMMMMMMMMMMMMMM  M   M M    MM  M   MMMM
          MMMMMMMMMMMMMMM   M  MMM   M     M   MMMMM
           MMMMM  MMMM      M   M M      M   MMMMM
                 MMMMM      M      M M MM  M   MMMMMM
                 MMMMM      M MMMM   MMMMM   MMMMMMM
                 MMMMMM      MMMMM     MM  M        M
                 MMMMMMM       MM MMMMMM             M
```

```
             MM       M      MMMMMMMMM  MMM       M
               M            M   MMMMMMMMMM   M       M
               M        M       MMMMMMMM   M       M
               M      M M         MMMM   M      M
                M          M          MMM    M
                 M             MMMMMMMMM   M
                  MMMMM    MMMMM   M
                 MMMMMMMMMM    MMM MMMM
              MMMMMMMMMMMMMMMMMMMMMMMMMM
            MMMMMMMMMMMMMMMMMMMMMMMMMMMMM
          MMMMMMM              MMMMMMMMMMMMMMMM
        MMMMMM MMM              MMMMMMMMMMMMMM
        MMMM MMMMM      MMM        MMMM MMMMMMM
         MM MMMMMM     MMMMM         MM MMMMMMMM
         M MMMMMM MMMMMM            MMMMMMMMM
         M   MMM    MMMMMM            MMMMMMMM
         M          MMMM             MMMMMM
         M                           MMM
          M                           M
          M                           M
          M                           M
        "  M          M               M
          M              M              M
            MMMMMMMMMM              MMM
              MMMMMMM MMMMMMM      MM
              MMMMMM MMMMMM          MM
                MMMMM MMMMM            MM      M
                MMMMM MMMMM            MM     M
          MMMMMM         MMMMM MMMMM          MMMM
         M         M      MM     MMMMM MMMMM
        M              MMMM   M                 M
       M                      M                  M
      M                       M                   M
      M                        MM                  M
      M                        M M                  M
       M                       M   M                M
        M                     M       M            M
          MMMMMMMMMMMMMMM          M         M
                                 MMMMMMMM
              - M I C K E Y   M O U S E -
```

--
carl@codewks.nacjack.gen.nz (Carl Trommel)
The BBS Works -- +64 9 630 7739 NZL   New Zealand's Oldest BBS

MiniSport Laptop Hacker - Vol 4   28 Nov 92

A few more folks checked in since the last issue. It was good to hear from
KI6PL, N8OWM, N8PJP, KU8H. These volumes come out pretty spuratically.
That's why they're labelled Volumes rather than Parts. Each is put out on
the network as I have info to fill it. Be sure to send me *your* informa-
tion! The rumor mill suggests a large pool of these machines is becoming
available in the Michigan area at reasonable prices.   That should provide
a much bigger pool of users to swap information. Good!

One of the best purchases I've made recently is a CD-ROM. I survive with
one Ham radio related disk and one shareware distribution disk. Any of the
programs I refer to are likely sourced by these two CD-ROMs. I would love
to share them with you, and it's encouraged by the program authors. Make
it painless for me (disk SASE, clear request, etc) and I'll make copies for
you. If you're a "want it now" type of person, we can do a phone data
transfer.

>>> FLOPPY DISK SOURCE The strange 2" floppy disks problem seems to be a
perennial concern. Here's all the non-rumor info I have. Rex Television
Service Co (7030 W. 111th Street, Worth, IL 60482-1827) sells a 10cnt box
for $45.00, but then tacks on another $10 for freight. They also tried to
get me for sales tax, but refunded it later. Phone 708-448-5558. The box
I have indicates a lifetime warantee from FUJI, with the following Point of
Contact: Fuji Photo Film USA, Inc., 555 Taxter Rd, Elmsford, NY 10523.

>>> FILE TRANSFERS I found COMMO and DSZ will work together on the MiniS-
port for what I need in less space than PROCOMM takes. This allows packet
(or modem comm) with ZMODEM, YMODEM, and XMODEM protocols. I tried using
DSZ with a hardwire between computers, using a null modem cable (FWL, which
is on your disk C:, is faster. Don't ask why I do these things!). DSZ did
not like the 3-wire null cable I described in MLH Vol3 that works with
FWL. It needed to "hear" the CD (Carrier Detect) on the serial port. Try-
ing to stay as globally portable as possible, here's a full blown null mo-
dem cable that lets you plug into almost any IBM/PC/XT/AT/'286/'386/'486/?
that you may come across.

```
 {9fem}--------4' 7cond cable------({9fem}----- 5" 7cond cable----{25male})
 ---------------------------------------------------------------------------
 0 (0 1)        DB-25 Frame Ground is not used
 1-6 (1-6 8-6)  Each feeds it's received DSR into CD, also
 2-(3-2)        Data to loner
 3-(2-3)        Data from loner
```

```
 4-(6-6)         DTR from loner goes to others' DSR
 5-(5-7)         Signal Ground
 6-(4-20)        DSR to loner from others' DTR
 7-(8-5)         RTS from loner to others' CTS
 8-(7-4)         CTS to loner from others' RTS
 9 (9 22)        Ring Indicator not used
```

The numbers to the left are pin numbers. Wires are represented by "-". In
the text description, "loner" refers to the computer at the lone connector
end.

DSZ supports much more widely-known protocols. For that reason, it has
been important for me to get running. It's still in an evaluation stage at
this QTH. If you have any experience with this program, I'd be interested.
But be assured that Zenith did you well by providing FWL. It is an order
of magnitude faster for local hard-line transfers. I've not tested FWL
over the phone line.

SWAPPING THE SECOND MEGABYTE
I had two MiniSports. The 2M one had a power supply problem. It would
work work for a week or so and then no longer power up. Each time, I took
it apart, wiggled all the connectors, put it back together and it worked.
The fourth time around I decided "enough!"
I unsoldered the single-inline-pins of the add-in memory package (8 bits by
1 Mbyte). I resoldered into the same position in a second machine that was
working reliably as a 1M system. The memory package's pins are not actual-
ly the pins of the ICs, so I wasn't too worried about heat damage. I used
an alligator clip between the soldering iron and the computer ground.
No jumpers, solder traces, etc needed to be modified. I reran the SETUP
option (hold ESC on power up), specified new memory sizes in both, and,
voila!, they both have worked fine now. I'm still waiting for the old 2M
to fail again.

If you have any supply information on 1Mbyte x 8bit SIP (or SIMMs, I'll add
the pins), please let me know! I'm confident that I and other hams can
successfully double the memory in a 1Mbyte version of the MiniSport.

Next time, DISASSEMBLY INSTRUCTIONS, POWER SUPPLY PINOUT, MINIMUM BOOT
FILES, and discussion of BOARD REVISIONS.

73, Brian, ka9snf@wb7nnf,#spokn.wa.usa or Internet ka9snf@jupiter.spk.wa.us

---
Brian Mork   Internet bmork@opus-ovh.spk.wa.us
 .. . . .   Amateur Radio ka9snf@wb7nnf.#spokn.wa.usa
.   . ..   USMail 6006-B Eaker, Fairchild, WA 99011

MiniSport Laptop Hacker - Vol 5, 3 Dec 1992

Yea! I've gotten a few more technical responses from the audience. I'm
never sure what people are most interested in. Usually a discontinued, but
useful computer attracts a cadre of hackers to support it. I initiated
this series in an effort to provide a single point resource point. Keep
sending the tech info!
On the flip side, I'll bet there are a lot of first-time MS-DOS users who have
purchased this machine because of its "out of production" cost. Let me know
what information you need to make this thing useful in your Amateur Radio
quests. Owning it is only half the battle. Be sure to *use* it to its full po-
tential.

>>>DISASSEMBLY INSTRUCTIONS Remove the battery. If you'll do more than
remove the back panel, I suggest removing the Li batteries, too. If you re-
move the main battery pack and the Li batteries, you'll loose all RamDisk info
and configuration info. Back it up first!
There are 12 phillips screws holding the back of the computer in place. Re-
move the 5 around the perimeter of the bottom. Notice that one rubber foot
has no screw. So as to not snap plastic, remove the 2 screws holding the
modem cover in place. Remove the modem cover. Loose the 4 scres holding
the handle of the computer. I leave these in place as the back panel is lifted
off. Lastly, don't forget the single screw on the back panel (not bottom). It
is the one farthest from the flip down access panel on the back.

Once all 12 screws have been loosened or removed, lift the back cover
straight up. The oval Li battery cover will remain in place. There's a plastic
insulating sheet attache to the inside of the bottom cover. Be sure not to
dislodge or crease it as you lay the back cover aside.

Another dozen screws allows the circuit board to come up. For reference, lay
the computer upside down with it's back toward you. Remove the 3 screws
across the top (the front edge as it lays). The two metal brackets on each
side are held down by two screws each. Remove these 4 screws, as you no-
tice the orientation of the metal brackets. Right in the center, there is a sin-
gle screw holding down a grouding tab. Remove the 1 screw, and the tab if
it appears to be loose. The next 3 screws are *inside* of the flip down ac-
cessory panel on the back. They're tiny. Don't loose them! The last screw
actually is one of four that mount the disk drive in place. It must be taken
out to loosen the silder and copper colored grounding straps that curl up
around the right side of the circuit board between the power switch and the
disk drive.

Disconnect the ribbon cable that overlays the copper colored foil you just
loosened. *Carefully* note how the power switch, the ribbon, cable, the fer-
rite choke (if present), and the disk drive are arranged. This is the most
difficult part to get alligned correctly during reassembly.

As you lift the lower right side, depress the power switch so you don't break
it off! The eject button of the disk drive also needs to be pressed in as it
passes past the thin plastic strip of the computer case blocking its path. The
power switch and disk eject button need to be caressed during reassembly,
too, simultaneous with holding the ribbon cable and ferrite choke on the cable
in place. Do you have three hands?!

While rotating the entire board a little clock-wise (to release the plastic clip
extending out from the battery enclosure), lift the left and front upward. The
circuit board and the keyboard will be free. The keyboard must be lifted out
at the same time or the green acetate ribbons curling around the left side of
the circuit board will be strained. *Although the keyboard and the circuit
board are not connected, they must be handled as one unit while the acetate
ribbon cables are connected*

As you lift out the keyboard/circuit board pair, you'll find they're still con-
nected to the rest of the computer on the back (bottom as you look at it). I
find it convenient to open them like a clamshell and set the computer on its
side. It stands up all by itself like a birthday card.

>>>POWER PINOUTS
More info on dissembly next time if folks are interested. For now, back up to
when you just pulled the back panel off.

Just below the center circuit board hold-down screw, there is a double row of
8 pins (bottom view of a 16pin mini Scotch flex connector header). Pin 1 is
toward the right and front of the computer. As you look at it:

```
    15 13 11  9  7  5  3  1                    1  2
    16 14 12 10  8  6  4  2     or rotate CCW:  3  4
                                               5  6
A working power supply provides the            7  8
following voltages:                            9 10
                                              11 12
  1:  5.1     2:  5.1                          13 14
  3:  0.0     4:  5.1                          15 16
  5:  5.1     6:-22.1
  7: 10.3     8:-10.4          When my system quit working, it consistently
  9:  0.0    10:  6.6         failed with the following indications:
 11:  0.0    12:  5.1                 pin  5:  0.0
 13:  0.0    14:  0.0                 pin  6:  3.9
 15:  5.1    16:  5.1                 pin 10:  5.7
```

Well, I have gone way over my self-imposed one page length! Oh, by the way,
if you're looking for an excellent "cram it all onto paper" utility that lets you
document packet work, consider tcols, distributed with the shareware A86 as-
sembler. I'm currently evaluating version 3.21 (off of CDROM, available to you,
as indicated in MLH Vol4). Tcols appears to be a unix clone, accepting param-
eters of line width, length, number of columns, etc. I run my printer at 160
characters per line (12cpi condensed) and pack in 8 lines per inch. That's
how I archive all the good info you folks send me.

Next time, MINIMUM BOOT FILES, BOARD REVISIONS, and more DISASSEMBLY
and PINOUTS.

73, Brian, ka9snf@wb7nnf.#spokn.wa.usa or Internet ka9snf@jupiter.spk.wa

---
Brian Mork   Internet bmork@opus-ovh.spk.wa.us
 .. . . .   Amateur Radio ka9snf@wb7nnf.#spokn.wa.usa
. . ..   USMail 6006-B Eaker, Fairchild, WA 99011

Date: 8 Jun 93 17:18:35 GMT
From: olivea!isc-br!tau-ceti!comtch!opus-ovh!bmork@decwrl.dec.com
Subject: MiniSport Laptop Hacker - Vol 6
To: packet-radio@ucsd.edu

SB HACK@ALLUS
MiniSport Hacker - Vol 6B
MiniSport Laptop Hacker - Vol 6B
8 Feb 93

Thanks to KA9SWW, N8LUF, KA9CAP, N7FTM, N8NUY, WJ8T, and N9KRS for sending
me information (I don't know it all) or queries (I know what people are
interested in). Special thanks to WB7NNF (my home BBS) for taking care of
the inbound mail while I was out of town!

>>> CULTURE
Boy, is it great to be back! Even with all the trouble we have as a coun-
try, I am again convinced there is none better. Be glad you live here! My
trip to Saudi Arabia was educational. I got to refuel the F117 Stealth
Fighters pre- and post-strike on the January raids and got to see real
capital punishment in action. The Saudis execute criminals in the downtown
square by kneeling them down and slicing their heads off with a huge sword.
That is something that I needed to witness only once.

>>> ADMINISTRATIVE
MLH Volume 6A was notice saying that I would be gone for a couple of

months. Volume 6B resumes the normal style, and from here they will con-
tinue to be numbered sequentially.
.
I've received a number of requests to provide back issues of ML Hacker. I
don't want to inappropriately burden the packet networks, so I've hesitated
sending back issues to everyone that asks. I could see this getting out of
hand when somebody sees Volume 23 and asks me to send the preceeding 22!
Pending recommendations from my local host sysop, I'll go with the follow-
ing policy. If you're a sysop (your callsign is the first in the message
routing), I'll send back issues through packet so you can post them to be
downloaded locally. For other individuals, I've got three options. I'll
1) send them to you on disk through the mail or, 2) via packet to your host
sysop if he/she asks, or 3) over landline Internet. If you use the disk
method, send me a disk and postage to get it back to you. My address is
Brian Mork, 6006-B Eaker, Fairchild, WA 99011. I moved in fall '92, so
older callbook addresses are now obsolete. If you use the Internet method,
query me via ka9snf@visual.spk.wa.

>>> ACQUIRING YOUR OWN
I started the MLH series as a forum for owners. This was an incomplete
goal. A number of folks are reading the series to determine *if* they
should buy one! The general concensus is that the ML is serving a lot of
people well. The pros are definitely out weighing the cons.
.
My 2Mb ML accompanied me to Saudi Arabia and survived 2 months of being
banged around in a soft case briefcase. I provide some cosmetic barrier by
putting it inside of a lawyer legal size fanfold folder. I carry extra
disks (2" and standard sizes), null modem cable, male/female cable conver-
tors, power supply, and parallel printer cable. This has to be the essence
of the laptop. With a "software" TNC and small handheld, you can't have
much more of a portable packet station.
.
In September, I made an 18-hour non-stop car trip from Merced, CA to Spo-
kane, WA. I had a PK232, an FT-290, and the MiniSport on the passenger
seat. Boy did I have fun! I used a 5/8 wave whip on top of the car and had
range enough to log onto several BBSs while passing through. It was a bi-
zarre feeling to be linked into the amateur networks while travelling down
the road. That day, the Shuttle happened to have just launched into orbit
and I listened to status updates on local 2M repeaters. When I got into
Oregon, word was out that they were up on packet. I tuned up my mobile
system and listened. I heard two orbits overhead, although the signal was
too weak to copy. With planning, you could do mobile packet into outer
space. What technology we have at our finger-tips!!
.
By far the biggest problem with the Minisport is with power supplies. The
Li batteries cause a lot of grief. Weak or dead batteries have causes se-
rial ports to fail and have caused AC power supply output problems. If you
have mysterious problems, pull both the NiCad and the Li batteries for sev-

eral hours. Buy new Li batteries (RS 23-166) and fully charge the NiCads.
.
Prices are between the buyer and the seller. For guidance, I'll throw out
a few numbers. I was fortunate to buy my MLs from a primary source. Work-
ing computers were $50 or $100 (1 or 2Mb). Non-working were $30 or $75.
Power supplies were $30. No docs. No guarantee. No returns. Cheap, but
harsh! I spent an entire Saturday (5:30am to 9:30pm) driving to Benton
Harbor, MI and back home. In following weeks, car loads of people were
dropping in on Surplus Trading Corp. I've been informed they have no more.
.
A secondary level of surplus dealers is offering them in the $200 range
with a 90-day warrantee. One of the first dealers in Michigan to sell them
at hamfests was selling them for $100 or $200 with no power supply. They
were dumped on the surplus market in Michigan and seem to be most plentiful
in the Midwest. Current prices hover around $150 to $200. The 2" floppy
disks are expensive: minimum $4 before postage, etc. Try Rex Television
(Worth, IL, 708-448-5558) or R&R Computers (Bellbrook, OH, 513-848-4681).

>>> SIMPLE HELPFUL INFORMATION
Your contributions to the MLHacker don't have to be complicated or techni-
cally superior. I knew that CTRL-ALT-DEL would reboot the system and allow
access to SETUP if the ESC key was pressed. I now know that CTRL-ALT-INS
will bring up the Zenith monitor (pre-boot) program without having to
pounce on the ESC key. Little things like this help those of us without
manuals.
.
Does anybody have a Tech Ref Manual (Zenith part 595-4354)? How much did
it cost? Several people have indicated they have other manuals. Is it ok
to pass your name onto others so they can contact you?
.
I will transfer information from/to the 2" disks for people if you make it
a no-cost operation for me. Send me the necessary disks & return
mailer/postage, etc.
.
If you let the NiCad batteries drain, your Lithium batteries will be
drained in a very short time. Use the NiCads until you get the red light
blink & beep, then charge it up all the way! From experience, I know that
2 months of inactivity will drain the NiCads and the Lithium batteries.

>>> UPCOMING
COMM & PARALLEL LINKS, SHRINKING YOUR FAVORITE SOFTWARE, MINIMUM BOOT
FILES, BOARD REVISIONS, and more DISASSEMBLY and PINOUTS.
..
73, Brian, ka9snf@wb7nnf.#spokn.wa or Internet ka9snf@visual.spk.wa

---
Brian Mork   Internet bmork@opus-ovh.spk.wa.us
 .. . . .   Amateur Radio ka9snf@wb7nnf.#spokn.wa.usa

.   . ..   USMail 6006-B Eaker, Fairchild, WA 99011

Date: 8 Jun 93 17:17:32 GMT
From: hal.com!olivea!isc-br!tau-ceti!comtch!opus-ovh!bmork@decwrl.dec.com
Subject: MiniSport Laptop Hacker - Vol 6A
To: packet-radio@ucsd.edu

MiniSport Laptop Hacker - Vol 6A   14 Dec 92

You folks have been great! The incoming information is cascading. I am
anxious to assemble some of the ideas and send the next volume out. Every-
thing from using kids' foam blocks for briefcase padding to add-on jumper
mods to the back of the circuit board. I have all the back volumes avail-
able to copy onto disk, too. I've had several inquiries. Send me a disk
(3" or 5") and I'll get it back to you. Please include a SASE to keep this
low-cost for me.

The unexpected news, however, is related to my real job. I fly for the Air
Force and I'll be departing tomorrow for you-can-guess-where. The plan is
to be back the first week in February. That's why this issue is manually
typed in as 6A. 6B will be the "real" Volume 6 by the time I get back.

Not the least of folks to thank is Chuck, WB7NNF, who hosts me as my home
BBS. I just was reminded that he has been manually forwarding my ALLUSA
bulletins. I think his outbound links are running automatically again, but
you sure might send him (or your own home BBS sysop) a thank-you for the
custom work.

73, Brian, ka9snf@wb7nnf.#spokn.wa.usa or Internet ka9snf.spk.wa.us

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 .. . . .   Amateur Radio ka9snf@wb7nnf.#spokn.wa.usa
 .   . ..   USMail 6006-B Eaker, Fairchild, WA 99011

Date: Tue, 8 Jun 1993 19:17:00 GMT
From: emba-news.uvm.edu!newton.emba.uvm.edu!pallack@uunet.uu.net
Subject: Packet HIGH SPEED HELP!
To: packet-radio@ucsd.edu

Date: Wed, 9 Jun 1993 04:35:02 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!gatech!kd4nc!
n4tii@network.UCSD.EDU
Subject: PK-232 DCD open squelch mod wanted
To: packet-radio@ucsd.edu

Hello all you happy people...

I am looking for the DCD open squelch mod for the PK-232.

One, does the mod exist? Two, is it real hard to install?

Thanks....

John Reed, N4TII

n4tii%kd4nc.uucp@gatech.edu
John Reed

Date: Wed, 9 Jun 1993 00:40:06 GMT
From: munnari.oz.au!metro!usage!sserve!csadfa.cs.adfa.oz.au!wkt@network.UCSD.EDU
Subject: Soundblaster as modem?
To: packet-radio@ucsd.edu

At a packet meeting last night, an amateur suggested writing an AX.25 packet
driver for a soundblaster card to do 1200, 4800 and/or 9600 baud. This
sounds like an excellent idea: no TNC, no modem, just plug the rig into
the soundblaster.

Has anybody thought of this before? Is it plausible? etc etc.

Cheers,
    Warren vk1xwt

Date: 9 Jun 93 04:37:47 GMT
From: munnari.oz.au!metro!mippet.ci.com.au!eram!dave@network.UCSD.EDU
Subject: Soundblaster as modem?
To: packet-radio@ucsd.edu

In article <1993Jun9.004006.23944@sserve.cc.adfa.oz.au>,
    wkt@csadfa.cs.adfa.oz.au (Warren Toomey) writes:

[Description deleted]

| Has anybody thought of this before? Is it plausible? etc etc.

How much control do you have over the phase? And 4800 and above is
not exactly audio modulation anyway...

--
Dave Horsfall (VK2KFU)   VK2KFU @ VK2RWI.NSW.AUS.OC   PGP 2.2
dave@esi.COM.AU   ...munnari!esi.COM.AU!dave   available

Date: Wed, 9 Jun 1993 06:35:54 GMT
From: munnari.oz.au!newshost.anu.edu.au!sserve!cserve.cs.adfa.oz.au!
wkt@tcgould.tn.cornell.edu
Subject: Soundblaster as modem?
To: packet-radio@ucsd.edu

|> | Has anybody thought of this before? Is it plausible? etc etc.
|>
|> How much control do you have over the phase? And 4800 and above is
|> not exactly audio modulation anyway...

In the sense that there is a DC component. I've got no idea what's the DSP
chip on the card, vague memories of a TMS DSP chip. Maurie Daly VK1MD came
up with the idea. He's now after C libraries to access the DSP chip on the
card.

    Waren vk1xwt

Date: 9 Jun 93 09:59:09 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!emory!ogicse!psgrain!ee.und.ac.za!hippo.ru.ac.za!ucthpx!
comgate.ee.uct.ac.za!not-for-mail@network.
Subject: test
To: packet-radio@ucsd.edu

test.

Date: (null)
From: (null)
Was speaking to a rep for ARRL and they said the FCC is considering setting up
larger band with area just for HighSpeed TNC's. But it would be in freq range
limiting distance. But not exactly sure...

can anyone fill this in?

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Data/BBS: 802-453-6074 (1200-9600 HST DS)   Voice: 802-453-6073

End of Packet-Radio Digest V93 #160
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